



KAISER-HILL
COMPANY
INTEROFFICE MEMORANDUM

DATE: December 8, 2004

TO: Art Geis, Nuclear Safety and Licensing, Bldg. MV72, X7088

FROM: *David C. Del Vecchio*
David C. Del Vecchio, 707/776/777 Closure Project, Bldg. T707D, X3697

SUBJECT: CANCELLATION OF NUCLEAR CRITICALITY SAFETY PROGRAM FOR
BUILDING 707 COMPLEX - DCD-020-04

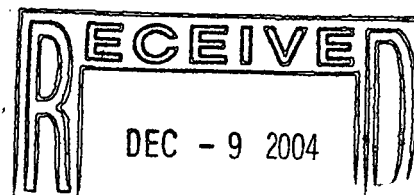
Refs: (a) F. W. Lamb ltr HMT-04.168 to B. R. Douglass, November Holdup Inventory
Report for All Facilities, December 1, 2004

(b) Building 707 Final Pre-demolition Survey Report - DCD-010-04 and DCD-015-04

This letter notifies you of our request for cancellation of the Nuclear Criticality Safety Program for the Building 707 Complex. The basis for this action is provided below. Please notify the Department of Energy, Rocky Flats Project Office (DOE, RFPO) of the proposed action. Approval of this action is requested by December 30, 2004, to support closeout of programs associated with demolition of Building 707.

The Building 707 Decommissioning Basis for Interim Operation (DBIO) Chapters 3 and 6 acknowledge the importance to the worker of the Criticality Safety Program in preventing criticality accidents. The Criticality Safety Program previously determined that criticalities are not credible for Building 707/707A. This determination was based, in part, on the administrative controls provided by the Criticality Safety Program. These controls ensured that quantities of fissile materials necessary to achieve a critical condition were not accumulated to form a critical configuration. These controls were necessary during waste container repackaging operations and during decontamination activities that utilized aggressive techniques to remove and consolidate fissile materials. The Building 707 complex no longer contains the minimum quantities of fissile materials necessary to achieve a critical configuration. Aggressive decontamination activities have been completed, no waste containers will be repackaged in this facility, and the building is ready for demolition.

The November Holdup Inventory Report [Ref (a)] confirms that all equipment with radioactive holdup has been removed from the facility, and no measurable quantities of radioactive material remain. Additionally, final radioactivity surveys confirm that the building walls, ceiling, floor and internal structures contain only very small quantities of fissile material that are fixed and imbedded in the building concrete and miscellaneous structures. No recoverable fissile material remains in the facility. Building rubble and remaining waste will be free-released, except for a few remaining spots that will be recovered after demolition and disposed as radioactive material.



ADMIN RECORD
B707-A-000149

1/2

Art Geis
December 8, 2004
DCD-020-04
Page 2 of 2

The 707 Closure Project requests cancellation of the Nuclear Criticality Safety Program by December 30, 2004. If you have any questions or concerns, please contact me at extension 3697.

MAC:plh

cc:
Mac Carman
Brian Henderson
Terry Vaughn

2/2